

# Thomas Antonsen Jr

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

457  
papers

13,034  
citations

56  
h-index

92  
g-index

548  
ext. papers

14,584  
ext. citations

2.8  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
457	Deep-Learning Estimation of Complex Reverberant Wave Fields with a Programmable Metasurface. <i>Physical Review Applied</i> , <b>2022</b> , 17,	4.3	2
456	Self-Excitation Thresholds in RF Structures. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 1-7	2.9	1
455	Gradient-based optimization of 3D MHD equilibria. <i>Journal of Plasma Physics</i> , <b>2021</b> , 87,	2.7	2
454	Application of High-Frequency Leakage Current Model for Characterizing Failure Modes in Digital Logic Gates. <i>Energies</i> , <b>2021</b> , 14, 2906	3.1	1
453	Wireless power distributions in multi-cavity systems at high frequencies. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2021</b> , 477, 20200228	2.4	1
452	Adjoint approach to calculating shape gradients for three-dimensional magnetic confinement equilibria. Part 2. Applications. <i>Journal of Plasma Physics</i> , <b>2020</b> , 86,	2.7	4
451	Efficient Statistical Model for Predicting Electromagnetic Wave Distribution in Coupled Enclosures. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	4
450	Wave scattering properties of multiple weakly coupled complex systems. <i>Physical Review E</i> , <b>2020</b> , 101, 022201	2.4	3
449	Wavefront shaping with a tunable metasurface: Creating cold spots and coherent perfect absorption at arbitrary frequencies. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	8
448	A Stochastic Green's Function for Solution of Wave Propagation in Wave-Chaotic Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3919-3933	4.9	2
447	Numerical Determination of Vacuum Electronic Device Stability. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 4171-4180	1.3	1
446	Electron beam propagation and magnetic structure formation in a strongly magnetized, collisional plasma. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100881	1.2	0
445	High-Frequency Electromagnetic Coupling Calculation Using the Dynamical Energy Analysis by Discrete Flow Method <b>2019</b> ,		1
444	Physics of efficient gridless tetrodes with intense electron beams. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 093101	2.1	1
443	Calculation and Application of Impedance Matrices for Vacuum Electronic Devices. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2409-2414	2.9	3
442	Adjoint approach to beam optics sensitivity based on Hamiltonian particle dynamics. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 013109	2.1	3
441	Scattering statistics in nonlinear wave chaotic systems. <i>Chaos</i> , <b>2019</b> , 29, 033113	3.3	2

440	Adjoint approach to calculating shape gradients for three-dimensional magnetic confinement equilibria. <i>Journal of Plasma Physics</i> , <b>2019</b> , 85,	2.7	8
439	Extraction of the coupling impedance in overmoded cavities. <i>Wave Motion</i> , <b>2019</b> , 87, 123-131	1.8	4
438	. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 2264-2271	2.9	2
437	Multi-Stream Instability in UMER <b>2018</b> ,		1
436	Experimental studies on radio frequency sources for ionospheric heaters. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 103116	2.1	
435	Revealing underlying universal wave fluctuations in a scaled ray-chaotic cavity with remote injection. <i>Physical Review E</i> , <b>2018</b> , 97, 062220	2.4	4
434	Modeling Vacuum Electronic Devices Using Generalized Impedance Matrices. <i>IEEE Transactions on Electron Devices</i> , <b>2017</b> , 64, 536-542	2.9	13
433	Stagnation of electron flow by a nonlinearly generated whistler wave. <i>Journal of Plasma Physics</i> , <b>2017</b> , 83,	2.7	4
432	Modeling the network dynamics of pulse-coupled neurons. <i>Chaos</i> , <b>2017</b> , 27, 033102	3.3	20
431	High-power tunable laser driven THz generation in corrugated plasma waveguides. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 043109	2.1	17
430	The Path to a Transportable Ionospheric Heater Tuning Methods. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 1051-1057	1.3	5
429	Frequency and phase synchronization in large groups: Low dimensional description of synchronized clapping, firefly flashing, and cricket chirping. <i>Chaos</i> , <b>2017</b> , 27, 051101	3.3	16
428	High efficiency inductive output tubes with intense annular electron beams. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 103116	2.1	2
427	Nonlinear wave chaos: statistics of second harmonic fields. <i>Chaos</i> , <b>2017</b> , 27, 103114	3.3	4
426	Highly efficient, megawatt-class, radio frequency source for mobile ionospheric heaters. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 1786-1801	1.3	4
425	Coherent oscillations of driven rf SQUID metamaterials. <i>Physical Review E</i> , <b>2017</b> , 95, 050201	2.4	16
424	Electron Cyclotron Resonance Gain in the Presence of Collisions. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 2945-2954	1.3	1
423	Focusing waves at arbitrary locations in a ray-chaotic enclosure using time-reversed synthetic sonas. <i>Physical Review E</i> , <b>2016</b> , 93, 052205	2.4	12

422	Simulation of laser pulse driven terahertz generation in inhomogeneous plasmas <b>2016</b> ,		1
421	Large-Signal 2-D Modeling of Folded-Waveguide Traveling Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , <b>2016</b> , 63, 2531-2537	2.9	7
420	Suppression of beam merging and hosing instabilities in magnetized fast ignition fusion. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012117	0.3	
419	Limiting current of intense electron beams in a decelerating gap. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 023114	2.1	3
418	Resynchronization of circadian oscillators and the east-west asymmetry of jet-lag. <i>Chaos</i> , <b>2016</b> , 26, 094811	3.5	39
417	Strong-field ionization and gauge dependence of nonlocal potentials. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	3
416	Intermodulation in nonlinear SQUID metamaterials: Experiment and theory. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	12
415	Laser pulse driven terahertz generation via resonant transition radiation in inhomogeneous plasmas. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 063103	2.1	10
414	Universal instability for wavelengths below the ion Larmor scale. <i>Physical Review Letters</i> , <b>2015</b> , 114, 095003	3.3	18
413	Plasma wakefield acceleration studies using the quasi-static code WAKE. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 023103	2.1	6
412	Impact of imperfect information on network attack. <i>Physical Review E</i> , <b>2015</b> , 91, 032807	2.4	2
411	Harmonic gyrotrons operating in high-order symmetric modes. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 013503	3.4	5
410	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2015</b> , 57, 1049-1061	2	12
409	Positron Acceleration by Plasma Wakefields Driven by a Hollow Electron Beam. <i>Physical Review Letters</i> , <b>2015</b> , 115, 195001	7.4	21
408	Random coupling model for the radiation of irregular apertures. <i>Radio Science</i> , <b>2015</b> , 50, 678-687	1.4	3
407	Absolute Instability near the Band Edge of Traveling-Wave Amplifiers. <i>Physical Review Letters</i> , <b>2015</b> , 115, 124801	7.4	22
406	Simulation of Drive-Induced Oscillation in Coupled-Cavity TWTs. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 4271-4277	2.9	2
405	Application of the random coupling model to lossy ports in complex enclosures <b>2015</b> ,		2

404	Predicting the statistics of wave transport through chaotic cavities by the random coupling model: A review and recent progress. <i>Wave Motion</i> , <b>2014</b> , 51, 606-621	1.8	56
403	Planar Slow-Wave Structure With Parasitic Mode Control. <i>IEEE Transactions on Electron Devices</i> , <b>2014</b> , 61, 1655-1660	2.9	3
402	Dependence of the gyrotron efficiency on the azimuthal index of non-symmetric modes. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 063112	2.1	
401	Model for atomic dielectric response in strong, time-dependent laser fields. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	9
400	Spatially embedded growing small-world networks. <i>Scientific Reports</i> , <b>2014</b> , 4, 7047	4.9	7
399	Random Coupling Model for interconnected wireless environments <b>2014</b> ,		2
398	The effects of non-uniform loss on time reversal mirrors. <i>AIP Advances</i> , <b>2014</b> , 4, 087138	1.5	3
397	1-D Large Signal Model of Folded-Waveguide Traveling Wave Tubes. <i>IEEE Transactions on Electron Devices</i> , <b>2014</b> , 61, 1699-1706	2.9	16
396	Phase and amplitude dynamics in large systems of coupled oscillators: growth heterogeneity, nonlinear frequency shifts, and cluster states. <i>Chaos</i> , <b>2013</b> , 23, 033116	3.3	9
395	Pulsed mid-infrared radiation from spectral broadening in laser wakefield simulations. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 073103	2.1	20
394	Transmission Line Model for Folded Waveguide Circuits. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 2906-2911	2.9	17
393	Modeling of the NRL G-Band TWT amplifier using the CHRISTINE and TESLA simulation codes <b>2013</b> ,		6
392	Open planar sheath slow-wave structure <b>2013</b> ,		1
391	Nonlinear time reversal of classical waves: experiment and model. <i>Physical Review E</i> , <b>2013</b> , 88, 062910	2.4	13
390	THz generation by optical Cherenkov emission from ionizing two-color laser pulses. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	22
389	An improved iteration loop for the three dimensional quasi-static particle-in-cell algorithm: QuickPIC. <i>Journal of Computational Physics</i> , <b>2013</b> , 250, 165-177	4.1	37
388	Nonlinear time reversal in a wave chaotic system. <i>Physical Review Letters</i> , <b>2013</b> , 110, 063902	7.4	31
387	. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 70-76	1.3	9

386	Statistical model of short wavelength transport through cavities with coexisting chaotic and regular ray trajectories. <i>Physical Review E</i> , <b>2013</b> , 87, 062906	2.4	5
385	Weakly explosive percolation in directed networks. <i>Physical Review E</i> , <b>2013</b> , 87, 052127	2.4	14
384	Effects of Random Circuit Fabrication Errors on the Mean and Standard Deviation of Small Signal Gain and Phase of a Traveling Wave Tube. <i>IEEE Journal of the Electron Devices Society</i> , <b>2013</b> , 1, 117-128	2.3	8
383	Quantifying volume changing perturbations in a wave chaotic system. <i>New Journal of Physics</i> , <b>2013</b> , 15, 023025	2.9	11
382	Heating of microprotrusions in accelerating structures. <i>Physical Review Special Topics: Accelerators and Beams</i> , <b>2013</b> , 16,		24
381	Dynamic localization of a weakly interacting Bose-Einstein condensate in an anharmonic potential. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	2
380	Continuum modeling of the equilibrium and stability of animal flocks. <i>Physica D: Nonlinear Phenomena</i> , <b>2012</b> , 241, 472-480	3.3	7
379	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 915-929	4.1	11
378	Theory of chaos regularization of tunneling in chaotic quantum dots. <i>Physical Review E</i> , <b>2012</b> , 86, 056212.	2.4	8
377	Compression, spectral broadening, and collimation in multiple, femtosecond pulse filamentation in atmosphere. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	22
376	A Computationally Efficient Two-Dimensional Model of the Beam-Wave Interaction in a Coupled-Cavity TWT. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 1575-1589	1.3	26
375	Statistical Prediction and Measurement of Induced Voltages on Components Within Complicated Enclosures: A Wave-Chaotic Approach. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2012</b> , 54, 758-771		44
374	Validation study for the large-signal code TESLA-CC based on experimental Ka-band Coupled-Cavity TWT <b>2012</b> ,		1
373	2D modeling of TWTs based on serpentine and folded waveguide structures <b>2012</b> ,		4
372	. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 3420-3426	1.3	1
371	Stability of gyrotron operation in very high-order modes. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 063114	2.1	8
370	Regions of azimuthal instability in gyrotrons. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 063103	2.1	6
369	Studies of spectral modification and limitations of the modified paraxial equation in laser wakefield simulations. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 033105	2.1	16

368	Simulations of femtosecond atmospheric filaments enhanced by dual pulse molecular alignment. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	15
367	Effects of Multiple Internal Reflections on the Small-Signal Gain and Phase of a TWT. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 1542-1550	2.9	12
366	Theoretical analysis of apertures radiating inside wave chaotic cavities <b>2012</b> ,		3
365	Quasi-phase-matched acceleration of electrons in a corrugated plasma channel. <i>Physical Review Special Topics: Accelerators and Beams</i> , <b>2012</b> , 15,		17
364	Multiscale dynamics in communities of phase oscillators. <i>Chaos</i> , <b>2012</b> , 22, 013102	3.3	24
363	Echoes and revival echoes in systems of anharmonically confined atoms. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	19
362	Impedance and power fluctuations in linear chains of coupled wave chaotic cavities. <i>Physical Review E</i> , <b>2012</b> , 86, 046204	2.4	11
361	First-principles model of time-dependent variations in transmission through a fluctuating scattering environment. <i>Physical Review E</i> , <b>2012</b> , 85, 015202	2.4	22
360	Mode excitation during start-Up of a 1.5 MW, 110 GHz gyrotron <b>2011</b> ,		1
359	Numerical study of efficiency for a 670 GHz gyrotron. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 023107	2.1	27
358	Models of the delayed nonlinear Raman response in diatomic gases. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	7
357	Effect of Metallic Dust on Operation of Repetition-Rate High-Power Microwave Devices. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 1680-1683	1.3	4
356	Large-Signal Multifrequency Simulation of Coupled-Cavity TWTs. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 1229-1240	2.9	29
355	Development of THz-range Gyrotrons for Detection of Concealed Radioactive Materials. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2011</b> , 32, 380-402	2.2	38
354	Statistical characterization of complex enclosures with distributed ports <b>2011</b> ,		7
353	The dynamics of network coupled phase oscillators: an ensemble approach. <i>Chaos</i> , <b>2011</b> , 21, 025103	3.3	22
352	Wave chaotic analysis of weakly coupled reverberation chambers <b>2011</b> ,		3
351	Simulation of terahertz generation in corrugated plasma waveguides. <i>Physical Review E</i> , <b>2011</b> , 83, 056403.4	3.4	6

350	Chaos regularization of quantum tunneling rates. <i>Physical Review E</i> , <b>2011</b> , 83, 065201	2.4	20
349	Local synchronization in complex networks of coupled oscillators. <i>Chaos</i> , <b>2011</b> , 21, 025109	3.3	24
348	Comment on "Long time evolution of phase oscillator systems" [Chaos 19, 023117 (2009)]. <i>Chaos</i> , <b>2011</b> , 21, 025112	3.3	60
347	Quantum chaos of a mixed open system of kicked cold atoms. <i>Physical Review E</i> , <b>2011</b> , 83, 016204	2.4	12
346	Raman scattering of intense, short laser pulses in modulated plasmas. <i>Physical Review E</i> , <b>2011</b> , 83, 0464104	1.4	5
345	Dynamics and pattern formation in large systems of spatially-coupled oscillators with finite response times. <i>Chaos</i> , <b>2011</b> , 21, 023122	3.3	37
344	Iterative time reversal with tunable convergence. <i>Electronics Letters</i> , <b>2011</b> , 47, 1165	1.1	10
343	5.5: A new complex envelope ADI-FDTD algorithm for 3D simulation of slow wave structures <b>2010</b> ,		1
342	Sensing small changes in a wave chaotic scattering system. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 1149112.5	2.5	14
341	Direct measurement of the electron density of extended femtosecond laser pulse-induced filaments. <i>Physical Review Letters</i> , <b>2010</b> , 105, 215005	7.4	102
340	Efficient simulation of electron trapping in laser and plasma wakefield acceleration. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 063106	2.1	11
339	Foreword to Special Issue: Papers from the 51st Annual Meeting of the APS Division of Plasma Physics, Atlanta, Georgia, 2009. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 055301	2.1	
338	Effect of the thickness of electron beams on the gyrotron efficiency. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 083105.1	2.1	25
337	Radiation generated by bunched electron beams in corrugated plasma channels. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 073112	2.1	2
336	Possibilities for reducing the aftercavity interaction effect in gyrotrons. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 083106	2.1	7
335	. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1200-1207	1.3	15
334	. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1178-1184	1.3	4
333	. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1193-1199	1.3	18



332	Single-Mode Excitation in High-Power Gyrotrons by Controlling Gun Perveance. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1160-1167	1.3	5
331	Experimental examination of the effect of short ray trajectories in two-port wave-chaotic scattering systems. <i>Physical Review E</i> , <b>2010</b> , 82, 041114	2.4	30
330	Particle in cell analysis of a laser-cluster interaction including collision and ionization processes. <i>Optics Express</i> , <b>2010</b> , 18, 2389-405	3.3	17
329	Influence of the Weibel instability on the expansion of a plasma slab into a vacuum. <i>Physical Review E</i> , <b>2010</b> , 82, 026408	2.4	10
328	Excitation of parasitic waves near cutoff in forward-wave amplifiers. <i>Physical Review E</i> , <b>2010</b> , 82, 046404	2.4	3
327	10.5: Development of THz gyrotrons with pulse solenoids for detecting concealed radioactive materials <b>2010</b> ,		5
326	16.1: 2D modeling of beam-wave interaction in coupled cavity TWT with TESLA <b>2010</b> ,		5
325	16.2: Stability and higher-order mode interaction of a sheet-beam coupled-cavity slow-wave structure <b>2010</b> ,		2
324	Slow wave plasma structures for direct electron acceleration. <i>New Journal of Physics</i> , <b>2010</b> , 12, 095011	2.9	13
323	. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1244-1254	1.3	25
322	. <i>IEEE Transactions on Plasma Science</i> , <b>2010</b> , 38, 1439-1449	1.3	6
321	Universal and nonuniversal properties of wave-chaotic scattering systems. <i>Physical Review E</i> , <b>2010</b> , 81, 025201	2.4	25
320	Obstacle and predator avoidance in a model for flocking. <i>Physica D: Nonlinear Phenomena</i> , <b>2010</b> , 239, 988-996	3.3	21
319	Possible role of rf melted microparticles on the operation of high-gradient accelerating structures. <i>Physical Review Special Topics: Accelerators and Beams</i> , <b>2009</b> , 12,		10
318	Exact results for the Kuramoto model with a bimodal frequency distribution. <i>Physical Review E</i> , <b>2009</b> , 79, 026204	2.4	194
317	Large coupled oscillator systems with heterogeneous interaction delays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 044101	7.4	89
316	Effect of short ray trajectories on the scattering statistics of wave chaotic systems. <i>Physical Review E</i> , <b>2009</b> , 80, 041109	2.4	34
315	Scattering a pulse from a chaotic cavity: transitioning from algebraic to exponential decay. <i>Physical Review E</i> , <b>2009</b> , 79, 016208	2.4	6

314	Interaction of an ultrashort laser pulse and relativistic electron beam in a corrugated plasma channel. <i>Physical Review E</i> , <b>2009</b> , 80, 016409	2.4	17
313	Sensor based on extending the concept of fidelity to classical waves. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 114103	3.4	18
312	Frequency domain simulation of drive induced oscillation in a coupled cavity TWT <b>2009</b> ,		5
311	. <i>IEEE Transactions on Electron Devices</i> , <b>2009</b> , 56, 744-752	2.9	98
310	Accurate Representation of Attenuation in Helix TWT Simulation Codes. <i>IEEE Transactions on Electron Devices</i> , <b>2009</b> , 56, 935-944	2.9	7
309	A leapfrog formulation of the 3-D ADI-FDTD algorithm. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2009</b> , 22, 187-200	1	70
308	Long time evolution of phase oscillator systems. <i>Chaos</i> , <b>2009</b> , 19, 023117	3.3	321
307	Effect of electric-field fluctuations on rotational revival amplitudes. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	5
306	Solenoidal transport of low-voltage sheet beams for millimeter wave amplifiers <b>2009</b> ,		5
305	Self-consistent nonstationary two-dimensional model of multipactor in dielectric-loaded accelerator structures. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 073102	2.1	20
304	Modeling of coupled cavity TWT with TESLA <b>2009</b> ,		3
303	Experimental characterization of a Ka-band sheet-beam coupled-cavity slow-wave structure <b>2009</b> ,		6
302	Analytical theory of low-frequency space charge oscillations in gyrotrons. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 103102	2.1	8
301	. <i>IEEE Transactions on Plasma Science</i> , <b>2008</b> , 36, 606-619	1.3	8
300	Excitation of parasitic modes in gyrotrons with fast voltage rise. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 103101	2.1	20
299	Ultrahigh-intensity optical slow-wave structure for direct laser electron acceleration. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2008</b> , 25, B137	1.7	6
298	Parallel Simulation of Independent Beam-Tunnels in Multiple-Beam Klystrons Using TESLA. <i>IEEE Transactions on Plasma Science</i> , <b>2008</b> , 36, 670-681	1.3	14
297	Numerical models of mode interaction in gyrotrons: Capabilities and limitations <b>2008</b> ,		1

296	. <i>IEEE Transactions on Plasma Science</i> , <b>2008</b> , 36, 637-646	1.3	2
295	Low dimensional behavior of large systems of globally coupled oscillators. <i>Chaos</i> , <b>2008</b> , 18, 037113	3.3	608
294	Startup scenarios in MW-class gyrotrons with diode and triode-type electron guns <b>2008</b> ,		3
293	External periodic driving of large systems of globally coupled phase oscillators. <i>Chaos</i> , <b>2008</b> , 18, 037112	3.3	67
292	Echo phenomena in large systems of coupled oscillators. <i>Chaos</i> , <b>2008</b> , 18, 037115	3.3	15
291	Pulse propagation and electron acceleration in a corrugated plasma channel. <i>Physical Review E</i> , <b>2008</b> , 77, 036405	2.4	29
290	Direct acceleration of electrons in a corrugated plasma waveguide. <i>Physical Review Letters</i> , <b>2008</b> , 100, 195001	7.4	85
289	A Comparison of Linearity and Efficiency in Conventional and Transverse TWT Amplifiers. <i>IEEE Transactions on Electron Devices</i> , <b>2007</b> , 54, 194-201	2.9	2
288	An Improved Representation of AC Space-Charge Fields in Steady-State Simulation Codes for Linear-Beam Tubes. <i>IEEE Transactions on Electron Devices</i> , <b>2007</b> , 54, 888-892	2.9	4
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